

PIYUSH RAI

Artificial Intelligence & Data Science

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ABOUT ME

Aspiring technical student with a strong academic foundation and hands-on experience in diverse projects. Skilled in leveraging modern technologies to develop innovative and impactful solutions. Eager to contribute to dynamic teams, tackle complex challenges, and continuously enhance expertise across various domains in technology.

EXPERIENCE

IBM, CSRXBOX

Trainee intern 2 months

- **Developed and deployed a rule-based chat bot** using IBM Watson AI assistant enabling automated and interactive customer support with improved query resolution and efficiency
- **Designed and implemented a heart disease prediction model** on IBM cloud, leveraging advance machine learning algorithms to deliver accurate risk assessment and improved health care decision making
- **Deployed and evaluated various machine learning models** including SVM, Logistic Regression by building a Flask API using Pickle for model serialization, enabling seamless integration and real-time predictions..

PROJECTS

ADAPTIVE LEARNING PLATFORM

minor (hackathon)

- **Developed an innovative AI-based smart classroom platform** that provides lecture summaries and generates MCQs from lecture videos using GPT models and voice-to-text APIs.
- **Implemented a robust database system** to store lecture summaries and MCQs, accessible through a date-wise structured dashboard for students'
- **Designed a dual login system:** Teachers can create classrooms, manage attendance using face recognition, and monitor student activities, while students can join classrooms, view lectures, attempt MCQs, and track their attendance on a personalized dashboard.
- **Enhanced student engagement through gamification:** Enabled students to write blogs, earn medals for quizzes, assignments, and blogging, and build in-platform portfolios
- **Integrated a comprehensive teacher dashboard**, streamlining classroom management and improving educational outcomes.

PIYUSH 'S GARAGE

(Course assignment)

- provided seamless car service booking system
- Django-based website that showcases advertisements for cars. It also provides user registration and login features, along with service booking functionality. provide car price prediction using machine learning
- Skills Developed: Django, Pickle, Flask ,react

LEXICAL INSIGHT ENGINE

(Course assignment)

- Empowered your text analysis workflow with automated processing. Developed a Python script to extract article text from URLs, perform text analysis, and generate actionable insights effortlessly.
- Utilized Selenium for web scraping, NLP techniques for text processing, and data cleaning for high-quality results.
- Skills Developed: Selenium, NLP, Data Cleaning.

EDUCATION

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
B.TECH (AI & DS) | 2021 - 2025 |
CGPA: 7.4/10.0

SAKET SHISHU RANJAN H.SEC SCHOOL,
VIDISHA (M.P.)
12th | 2020 - 2021 | Percentage: 89%
10th | 2018 - 2019 | Percentage: 91%

SKILLS

- Python, Pandas, Numpy, C
- Html ,CSS, Java script, React.js
- Django ,Flask , Express
- Data structures and algorithms
- OOPs, SQL, Git, Figma, Github
- BeautifulSoup, MongoDB

INTER PERSONAL SKILLS

- Focused
- problem solving skill
- Team collaboration
- Adaptability
- Learning

CERTIFICATIONS

- machine learning with python by IBM
- Data analysis with python by IBM
- Data Visualization with python by IBM
- Document model by MONGODB
- AI fundamentals by IBM
- Data Analysis with python by IBM

ACHIEVEMENTS/ EXTRACURRICULAR ACTIVITIES

- Secured 5th position in HackHound 2.0 at SRM University, showcasing creativity, innovation, and commitment during a 24-hour competition.
- participated in Kriyeta 3.0 hackathon ,in Indore